



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/675,484

09/30/2003

Neil S. Erskine

GLH 08-896600

5997

27667 7590 12/27/2006  
HAYES, SOLOWAY P.C.  
3450 E. SUNRISE DRIVE, SUITE 140  
TUCSON, AZ 85718

EXAMINER

ROBINSON BOYCE, AKIBA K

ART UNIT

PAPER NUMBER

3628

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
--	-----------	---------------

3 MONTHS

12/27/2006

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/675,484

Applicant(s)

ERSKINE, NEIL S.

Examiner

Akiba K. Robinson-Boyce

Art Unit

3628

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau. (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1/26/04, 5/7/04, 1/28/05</u>                                  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Status of Claims*

1. Due to communications filed 9/30/03, the following is a non-final first office action. Claims 1-18 are pending in this application and have been examined on the merits. Claims 1-18 are rejected as follows.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by  
Odinotski et al (US 2004/0181496).

As per claim 1, Odinotski et al discloses:

Parking system comprising:

- one or more payment terminals for receiving payment for parking spaces,  
(Abstract, lines 1-3, plurality of payment terminals);
- an information processing centre for receiving transaction and alarm  
information from the payment terminals, ([0013], lines 6-7 central computer processes  
all parking information, w/[0075], lines 1-7, standalone checks for alarms;

Art Unit: 3628

- one or more enforcement terminals for storing identification information for selected parking spaces and for periodically receiving occupancy data for the selected parking spaces from the information processing centre for displaying a map of the parking spaces with occupancy indication, [0105], officer's portable terminal graphically displaying which spaces are presently paid for and which are not, w/ [0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal); and
- a two-way telecommunications network for transmitting information in real time between the information processing centre and the payment and the enforcement terminals, [0013], lines 1-3, real-time broadcast based wireless network).

As per claim 2, Odinotski et al discloses:

wherein the information processing centre includes a management server and an enforcement server, (Abstract, lines 5-7, shows standalones and portable terminals which aid in enforcement and management, therefore the management server and enforcement server are inherent since the terminals are computer systems, and servers are necessary parts of computer systems that access the data files, programs, and peripheral devices necessary for processing of transaction information).

As per claim 3, Odinotski et al discloses:

wherein the enforcement terminals include means for displaying the identification information for the parking spaces as graphic information, ([0105], officer's portable terminal graphically displaying which spaces are presently paid for and which are not).

As per claim 4, Odinotski et al discloses:

wherein the graphic information includes:

- street location of the parking spaces, ([0059], lines 19-20, location); and
- parking space location numbers, ([0059], parking space identification number).

As per claim 5, Odinotski et al discloses:

wherein street location information includes street name, ([0059], lines 12-14, street address includes street name).

The following is inherent with Odinotski et al since a GPS is disclosed in [0059], line 20:

connecting streets and landmarks.

As per claim 6, Odinotski et al discloses:

wherein the parking space occupancy data is overlaid on the parking space location numbers to indicate occupancy, ([0035], shows that a number identifies each parking space, and parking related data is sent to the standalone responsible for the parking space identified, w/ [0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal).

As per claim 7, Odinotski et al discloses:

wherein the parking space occupancy indication depicts whether the parking space is "paid" or "expired",([0105], space paid for or not paid for is indicated).

As per claim 8, Odinotski et al discloses:

storing identification information of selected parking spaces in the enforcement terminals, ([0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal);

- receiving transaction information from the payment terminals, ([0019], lines 8-10, collects and associates payment from payment parking terminal);
- processing the transaction information, ([0019], lines 10-11, processes parking related data) ;
- periodically transferring real time space occupancy data regarding the selected parking spaces to the enforcement terminals, ([0013], lines 1-3, real-time broadcast based wireless network);
- displaying the selected parking space information and the occupancy data on the enforcement terminal to provide an indication whether each selected parking space is "paid" or "expired", ([0105], space paid for or not paid for is indicated).

As per claim 9, Odinotski et al discloses:

- receiving alarm information from the payment terminals, ([0075], lines 1-2, standalones check for alarms); and
- processing the alarm information to manage the parking system, ([0075], lines 3-7, message transmitted, then action taken by management).

As per claim 10, Odinotski et al discloses:

- storing identification information of selected parking spaces in the

Art Unit: 3628

enforcement terminals, ([0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal);

receiving transaction information from the payment terminals, ([0019], lines 8-10, collects and associates payment from payment parking terminal);

processing the transaction information to provide parking space occupancy data, ([0019], lines 10-11, processes parking related data);

- transferring real time space occupancy data regarding the selected parking spaces to the enforcement terminals, ([0013], lines 1-3, real-time broadcast based wireless network);

- displaying the selected parking space information and the occupancy data on the enforcement terminal to provide an indication whether each selected parking space is "paid" or "expired", ([0105], space paid for or not paid for is indicated).

As per claim 11, Odinotski et al discloses:

which includes transferring the space occupancy data regarding the selected parking spaces to the enforcement terminals periodically, ([0005], enforcement officer periodically checks vehicle parking status, w/ [0074], central management station periodically receives parking information from standalone , and in the form of a report, and can print the report out as a receipt to be kept by officer).

As per claim 12, Odinotski et al discloses:

A method as claimed in claim 10, which includes transferring the space

occupancy data regarding the selected parking spaces to the enforcement terminals when requested by the enforcement terminal, ([0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download parking space information).

As per claim 13, Odinotski et al discloses:

an enforcement server for receiving transaction information from the payment terminals and for generating occupancy data for the parking spaces in real time, ([0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal, w/Abstract, lines 5-7, shows standalones and portable terminals which aid in enforcement, therefore the enforcement server is inherent since the terminals are computer systems, and servers are necessary parts of computer systems that access the data files, programs, and peripheral devices necessary for processing of transaction information); and

- one or more enforcement terminals for storing identification information for selected parking spaces and for receiving occupancy data for the selected parking spaces from the enforcement server for displaying a map of the parking spaces with an indication of occupancy, ([0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal, [0105], officer's portable terminal graphically displaying which spaces are presently paid for and which are not).

As per claim 14, Odinotski et al discloses:



wherein the enforcement terminal receives the occupancy data periodically, ([0005], enforcement officer periodically checks vehicle parking status, w/ [0074], central management station periodically receives parking information from standalone , and in the form of a report, and can print the report out as a receipt to be kept by officer).

As per claim 15, Odinotski et al discloses:

wherein the enforcement terminal receives the occupancy data on demand, ([0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download parking space information).

As per claim 16, Odinotski et al discloses:

wherein the enforcement terminals include means for displaying the identification information for the parking spaces as graphic information, ([0105], officer's portable terminal graphically displaying which spaces are presently paid for and which are not).

As per claim 17, Odinotski et al discloses:

wherein the graphic information includes:

- street location having street name, connecting streets and landmarks of the parking spaces([0059], lines 19-20, location); and
- parking space location numbers, ([0059], parking space identification number).

As per claim 18, Odinotski et al discloses:

which includes means for overlaying the occupancy data on the parking space location numbers to indicate occupancy, ([0035], shows that a number identifies each

Art Unit: 3628

parking space, and parking related data is sent to the standalone responsible for the parking space identified, w/ [0059], shows when inspecting the status of a parking space, the officer enters a parking space ID number to download information to the portable terminal).

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Akiba K Robinson-Boyce whose telephone number is 571-272-6734. The examiner can normally be reached on Monday-Friday 9am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Hayes can be reached on 571-272-6708. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7238 [After final communications, labeled "Box AF"], 703-746-7239 [Official Communications], and 703-746-7150 [Informal/Draft Communications, labeled "PROPOSED" or "DRAFT"].

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



A. R. B.

December 18, 2006